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## What is claimed is:

- An isolated polypeptide comprising an amino acid sequence selected from the group 1. consisting of:
  - an amino acid sequence of SEQ ID NO:1, a)
  - a naturally-occurring amino acid sequence having at least 90% sequence identity to b) the sequence of SEQ ID NO:1,
  - a biologically-active fragment of the amino acid sequence of SEQ ID NO:1, and c)
  - an immunogenic fragment of the amino acid sequence of SEQ ID NO:1. d)
  - An isolated polypeptide of claim 1, having a sequence of SEQ ID NO:1. 2.
  - An isolated antibody which specifically binds to a polypeptide of claim 1. 3.
- A diagnostic test for a condition or disease associated with the expression of GAPIP 4. in a biological sample comprising the steps of:
  - combining the biological sample with an antibody of claim 3, under conditions a) suitable for the antibody to bind the polypeptide and form an antibody: polypeptide complex; and
  - detecting the complex, wherein the presence of the complex correlates with the b) presence of the polypeptide in the biological sample.
  - The antibody of claim 3, wherein the antibody is: 5.
    - (a) a chimeric antibody;
    - (b) a single chain antibody;
    - (c) a Fab fragment;
    - (d) a F(ab')<sub>2</sub> fragment; or
    - (e) a humanized antibody.
  - A composition comprising an antibody of claim 3 and an acceptable excipient. 6.
- A method of diagnosing a condition or disease associated with the expression of 7. GAPIP in a subject, comprising administering to said subject an effective amount of the composition of claim 6.

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- 8. A composition of claim 6, wherein the antibody is labeled.
- 9. A method of diagnosing a condition or disease associated with the expression of GAPIP in a subject, comprising administering to said subject an effective amount of the composition of claim 8.
- 10. A method of preparing a polyclonal antibody with the specificity of the antibody of claim 3 comprising:
  - a) immunizing an animal with a polypeptide of SEQ ID NO:1 or an immunogenic fragment thereof under conditions to elicit an antibody response;
  - b) isolating antibodies from said animal; and
  - c) screening the isolated antibodies with the polypeptide thereby identifying a polyclonal antibody which binds specifically to a polypeptide of SEQ ID NO:1.
  - 11. An antibody produced by a method of claim 10.
  - 12. A composition comprising the antibody of claim 11 and a suitable carrier.
- 13. A method of making a monoclonal antibody with the specificity of the antibody of claim 3 comprising:
  - a) immunizing an animal with a polypeptide of SEQ ID NO:1 or an immunogenic fragment thereof under conditions to elicit an antibody response;
  - b) isolating antibody producing cells from the animal;
  - c) fusing the antibody producing cells with immortalized cells to form monoclonal antibody-producing hybridoma cells;
  - d) culturing the hybridoma cells; and
  - e) isolating from the culture monoclonal antibody which binds specifically to a polypeptide of SEQ ID NO:1.
  - 14. A monoclonal antibody produced by a method of claim 13.
    - 15. A composition comprising the antibody of claim 14 and a suitable carrier.

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- 16. The antibody of claim 3, wherein the antibody is produced by screening a Fab expression library.
- The antibody of claim 3, wherein the antibody is produced by screening a recombinant immunoglobulin library.
  - 18. A method for detecting a polypeptide of SEQ ID NO:1 in a sample comprising the steps of:
    - a) incubating the antibody of claim 3 with a sample under conditions to allow specific binding of the antibody and the polypeptide; and
    - b) detecting specific binding, wherein specific binding indicates the presence of a polypeptide of SEQ ID NO:1 in the sample.
  - 19. A method of purifying a polypeptide of SEQ ID NO:1 from a sample, the method comprising:
    - a) incubating the antibody of claim 3 with a sample under conditions to allow specific binding of the antibody and the polypeptide; and
    - b) separating the antibody from the sample and obtaining purified polypeptide of SEQ ID NO:1.

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